

In the Claims:

1. (Original) A method of operating a message conversion system, the method comprising:

receiving a call signaling message for a call in a first format into a first interface wherein the call signaling message includes a plurality of call information elements;

copying the plurality of call information elements from the call signaling message;

inserting a first group of the plurality of call information elements into a first group of a plurality of fields of a setup message wherein the first group of the plurality of call information elements correspond to the first group of the plurality of fields of the setup message;

inserting a second group of the plurality of call information elements into a second group of the plurality of fields of the setup message wherein the second group of the plurality of call information elements do not correspond to the second group of the plurality of fields of the setup message; and

transmitting the setup message from a second interface.

2. (Original) The method of claim 1 wherein the call signaling message in the first format comprises an initial address message (IAM) of the signaling system seven (SS7) signaling protocol.

3. (Original) The method of claim 2 wherein the setup message comprises an integrated services digital network (ISDN) setup message.
4. (Original) The method of claim 1 wherein the second group of the plurality of fields of the setup message comprises a remaining field of the plurality of fields of the setup message.
5. (Original) The method of claim 4 wherein the remaining field comprises a user-user field of an ISDN setup message.
6. (Original) The method of claim 5 wherein the plurality of call information elements comprise a charge number element, an originating line information (OLI) element, and a privacy bytes element.
7. (Original) The method of claim 6 comprising inserting the charge number element, the OLI element, and the privacy bytes element into the user-user field of the ISDN setup message.
8. (Original) The method of claim 1 wherein one of the plurality of call information elements comprises a calling party number.
9. (Original) The method of claim 1 further comprising receiving the call over a feature group D connection.

10. (Original) The method of claim 1 further comprising extending the call over an integrated services digital network (ISDN) connection.

11. (Currently Amended) A message conversion system comprising:

a first interface configured to receive a call signaling message for a call in a first format wherein the call signaling message includes a plurality of call information elements;

a processing system configured to copy the plurality of call information elements from the call signaling message, insert a first group of the plurality of call information elements into a first group of a plurality of fields of a setup message wherein the first group of the plurality of call information elements corresponds to the first group of the plurality of fields of the setup message, and insert a second group of the plurality of call information elements into a second group of the plurality of fields of the setup message wherein the second group of the plurality of call information elements does not correspond to the second group of the plurality of fields of the setup message; and

a second interface configured to transmit the setup message.

12. (Original) The message conversion system of claim 11 wherein the call signaling message in the first format comprises an initial address message (IAM) of the signaling system seven (SS7) signaling protocol.

13. (Original) The message conversion system of claim 12 wherein the second group of the plurality of fields of the setup message comprises a remaining group of the plurality of fields of the setup message.

14. (Original) The message conversion system of claim 13 wherein the remaining group comprises a user-user field of an ISDN setup message.

15. (Original) The message conversion system of claim 14 wherein the plurality of call information elements comprise a charge number element, an originating line information (OLI) element, and a privacy bytes element.

16. (Original) The message conversion system of claim 15 wherein the processing system is configured to insert the charge number element, the OLI element, and the privacy bytes element into the user-user field of the ISDN setup message.

17. (Original) The message conversion system of claim 11 wherein a one of the plurality of call information elements comprises a calling party number.

18. (Original) The message conversion system of claim 11 wherein a one of the plurality of call information elements comprises a dialed number.

19. (Original) The message conversion system of claim 11 wherein the call comprises an incoming leg of the call over a feature group D connection.

20. (Original) The message conversion system of claim 11 wherein the call comprises an outgoing leg of the call over an integrated services digital network (ISDN) connection.

21. (Currently Amended) A ~~software product comprising~~ computer-readable medium having instructions stored thereon for operating a processing system, wherein the instructions, when executed by the processing system, direct the processing system to:

~~software operational when executed by a processing system to direct the processing system to~~ receive a call signaling message for a call in a first format wherein the call signaling message includes a plurality of call information elements, copy the plurality of call information elements from the call signaling message, insert a first group of the plurality of call information elements into a first group of a plurality of fields of a setup message wherein the first group of the plurality of call information elements corresponds to the first group of the plurality of fields of the setup message, insert a second group of the plurality of call information elements into a second group of the plurality of fields of the setup message wherein the second group of the plurality of call information elements does not correspond to the second group of the plurality of fields of the setup message, and transmit the setup message; ~~and storage media configured to store the software.~~